

## ABSTRACT OF DISCLOSURE

A method of measuring the degree of thermal pole tip protrusion (TPTP) of a magnetic head and controlling a recording current in consideration of the degree of TPTP, in relation to a hard disk drive includes measuring the rate of errors contained in data by performing writing and reading operations while changing the level of an overshoot current (OSC), detecting a minimum error rate and a maximum error rate while changing a range of the OSC, and determining the degree of TPTP by measuring the difference between the minimum error rate and the error rate at the maximum OSC.